

FIG. 1A

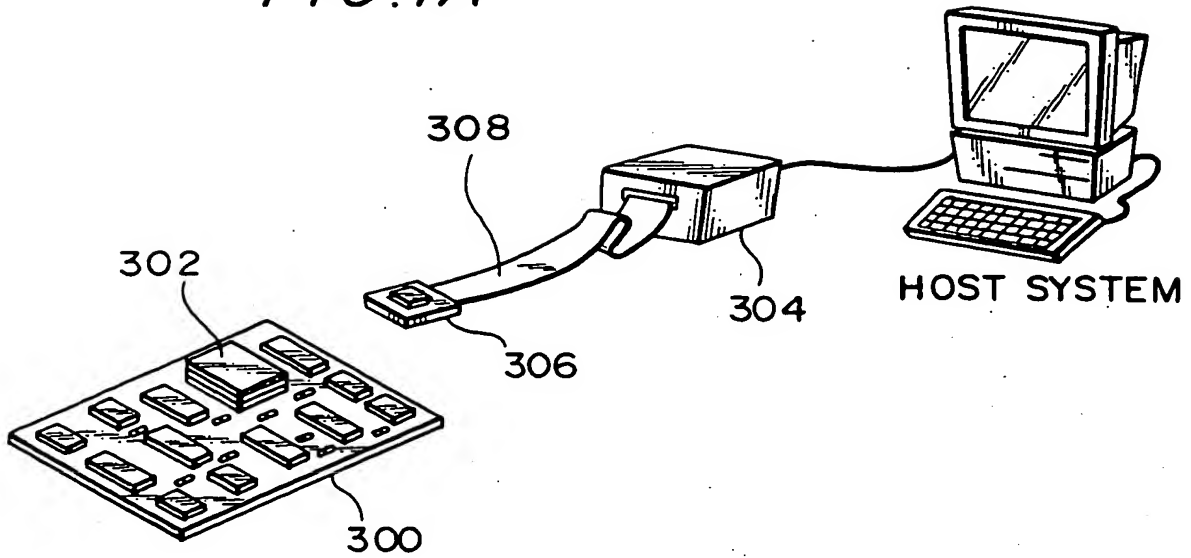


FIG. 1B

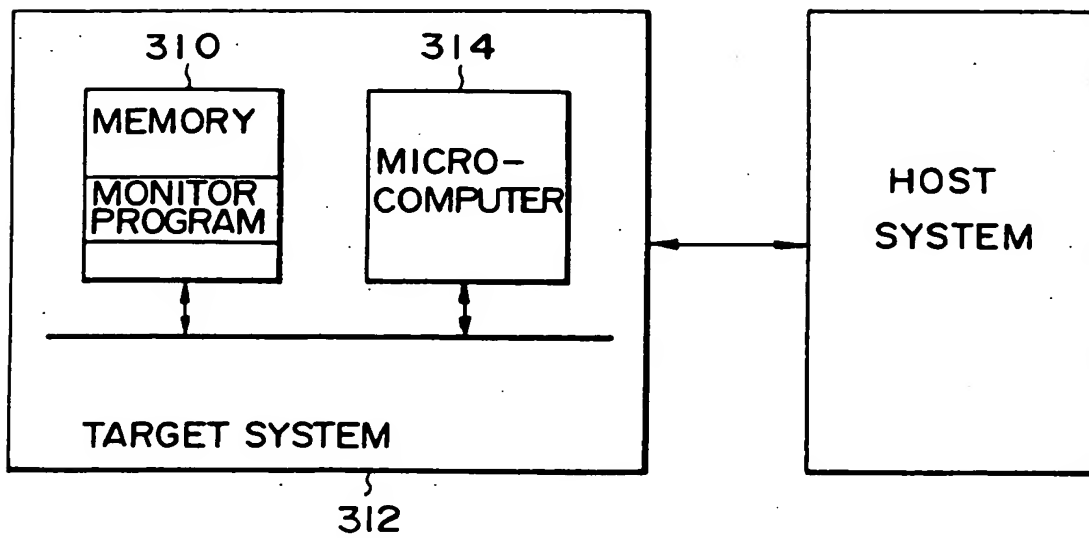


FIG. 2

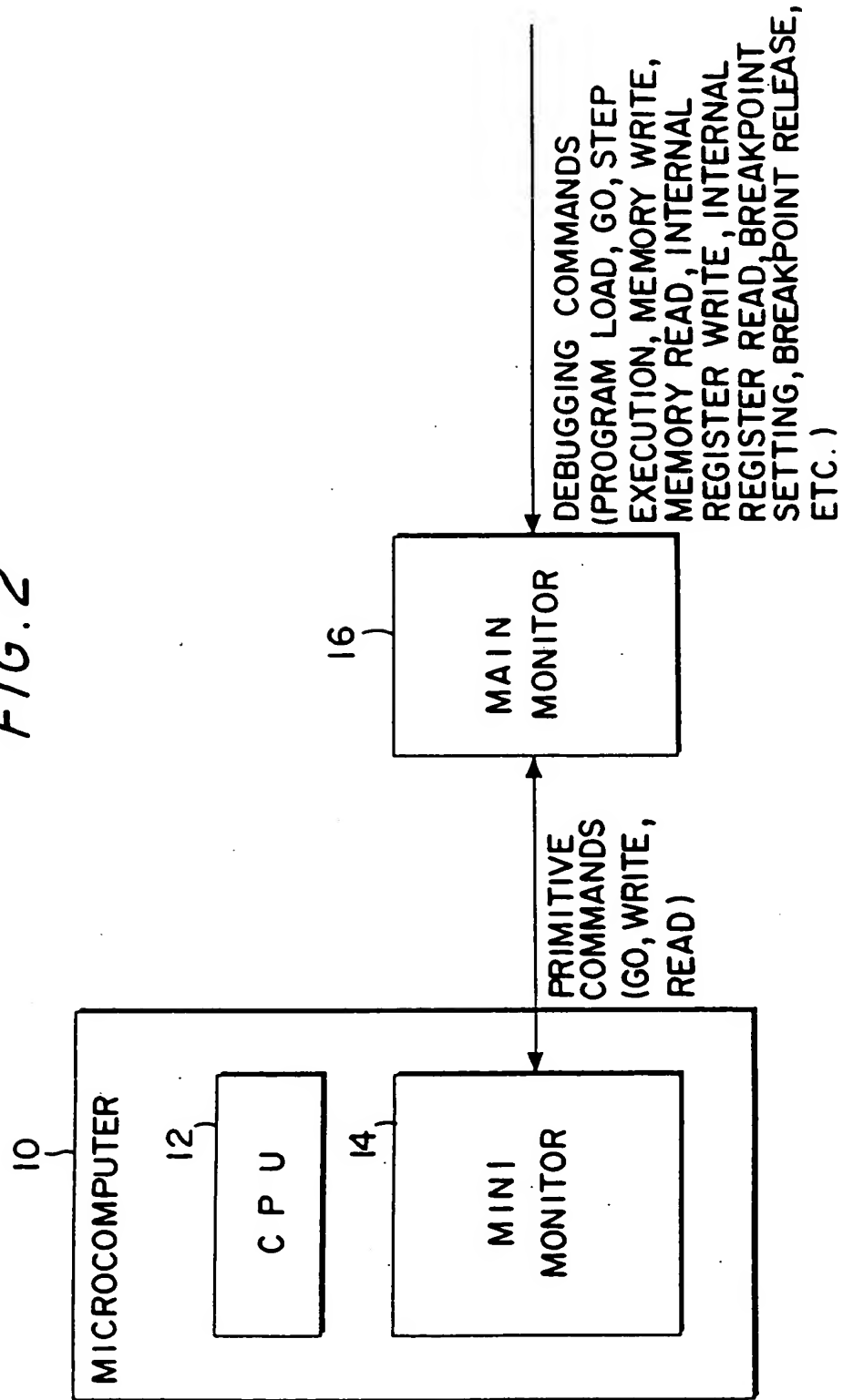


FIG. 3

3/26

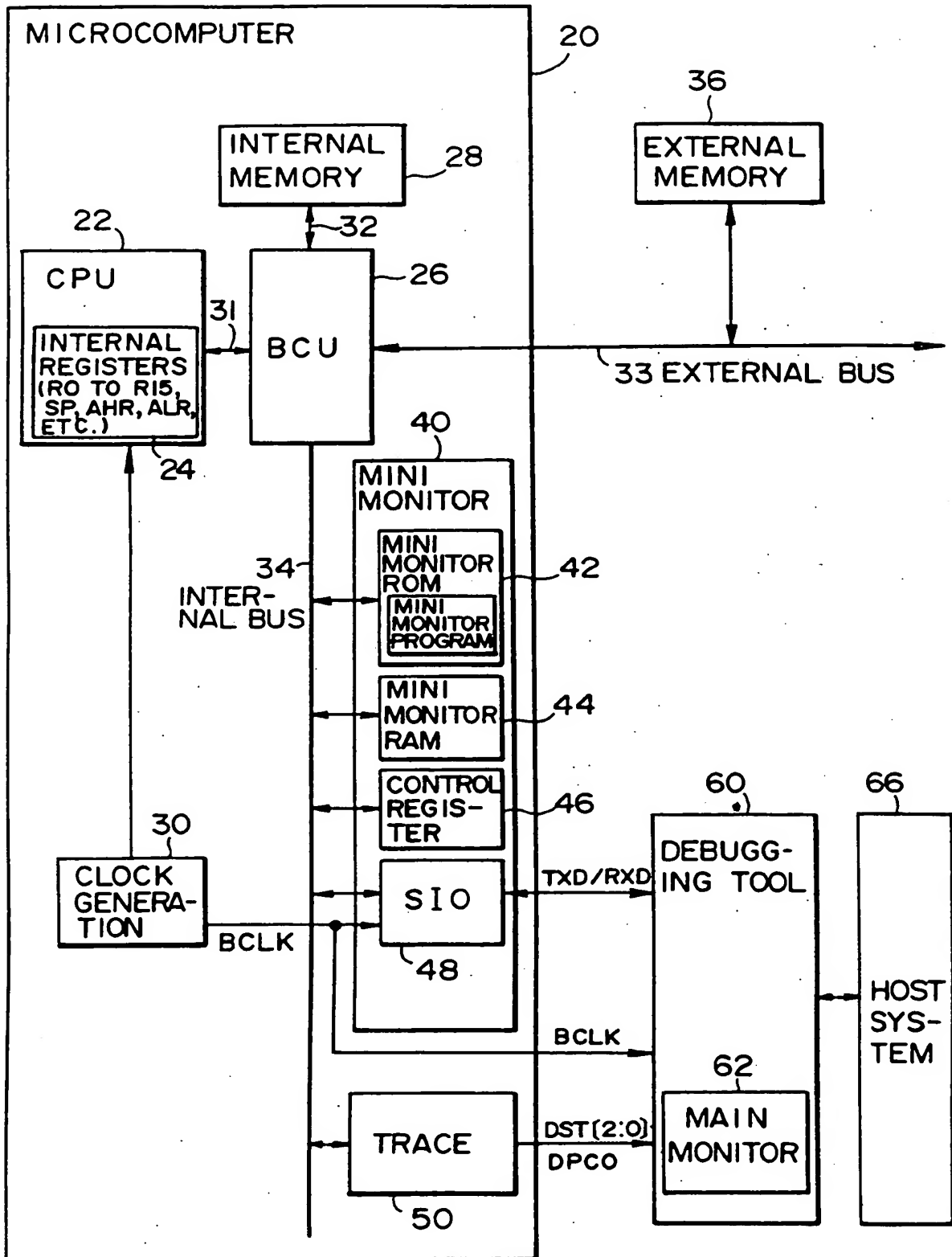


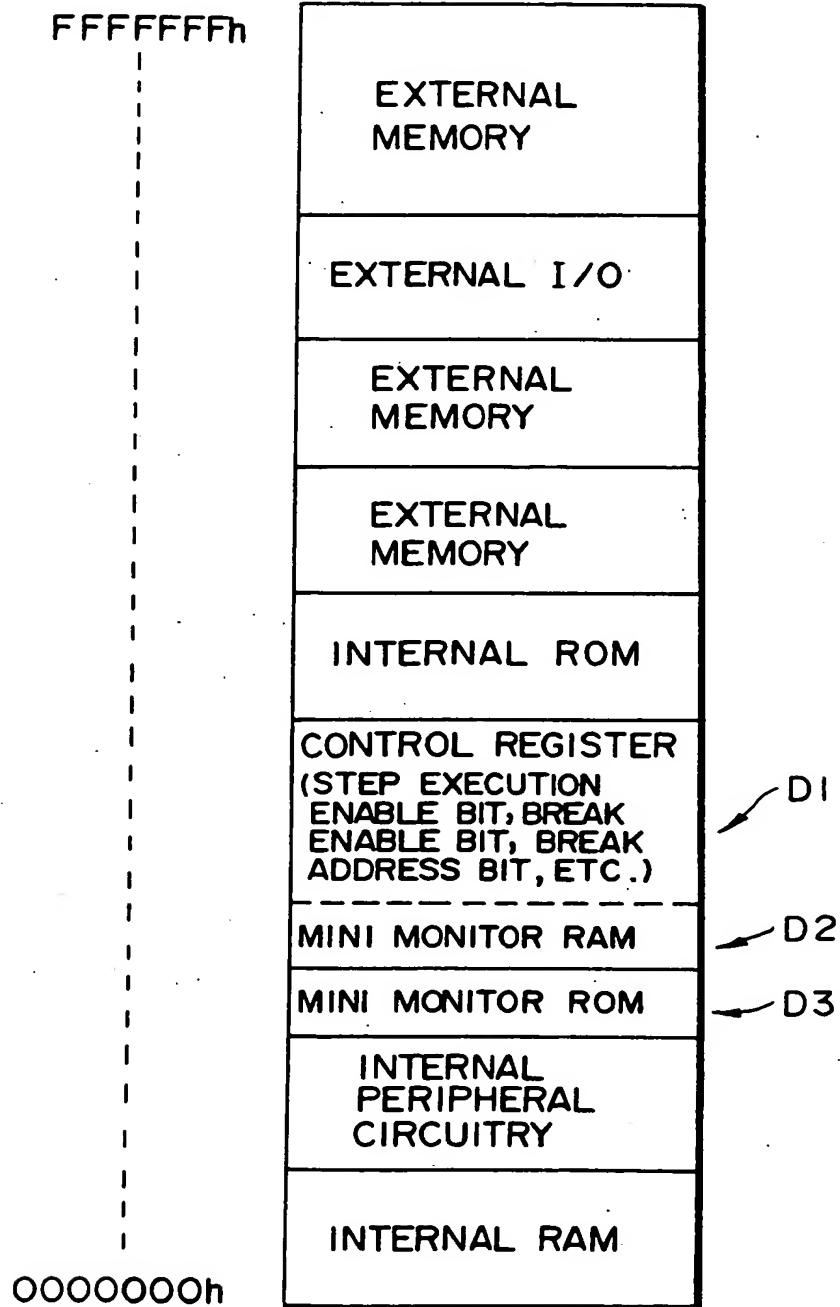
FIG. 4**MEMORY MAP IN DEBUGGING MODE**

FIG. 5A

PROGRAM LOAD

(80010h, 12 BYTES, ADD ---, SUB ---)
 (AND ---, OR ---, XOR ---, LD.W ---)
 ⇒ WRITE(80010h, ADD ---, SUB ---)
 + WRITE(80014h, ADD ---, OR ---)
 + WRITE(80018h, XOR ---, LD.W ---)

FIG. 5B

STEP EXECUTION
 ⇒ WRITE TO STEP EXECUTION ENABLE
 BIT OF CONTROL REGISTER
 + GO

FIG. 5C

INTERNAL REGISTER READ ⇒ READ MONITOR RAM ON MEMORY MAP

FIG. 5D

BREAKPOINT SETTING ⇒ WRITE TO BREAK ENABLE BIT AND
 BREAK ADDRESS BIT OF CONTROL
 REGISTER

FIG. 6

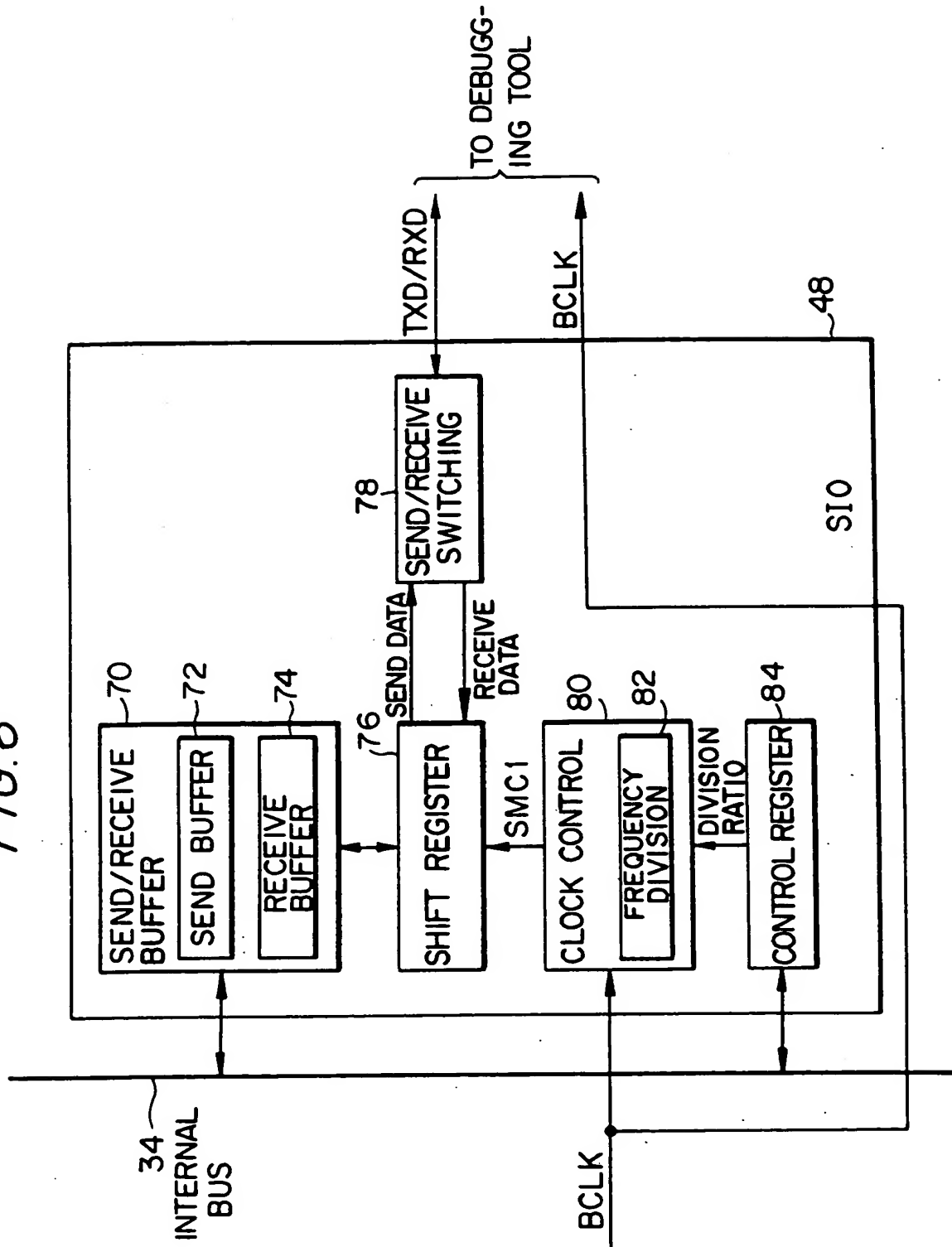


FIG. 7

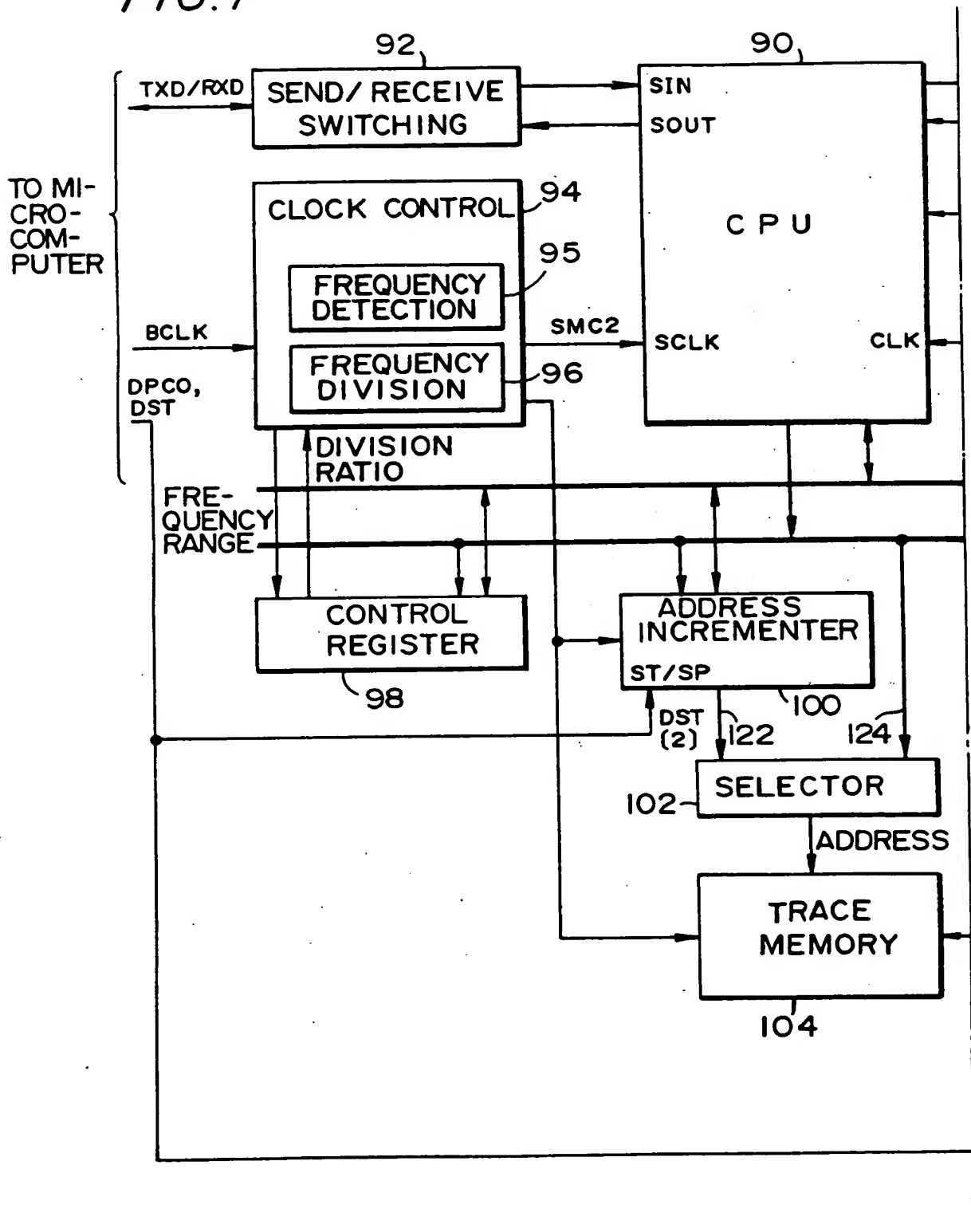


FIG. 7 (con't)

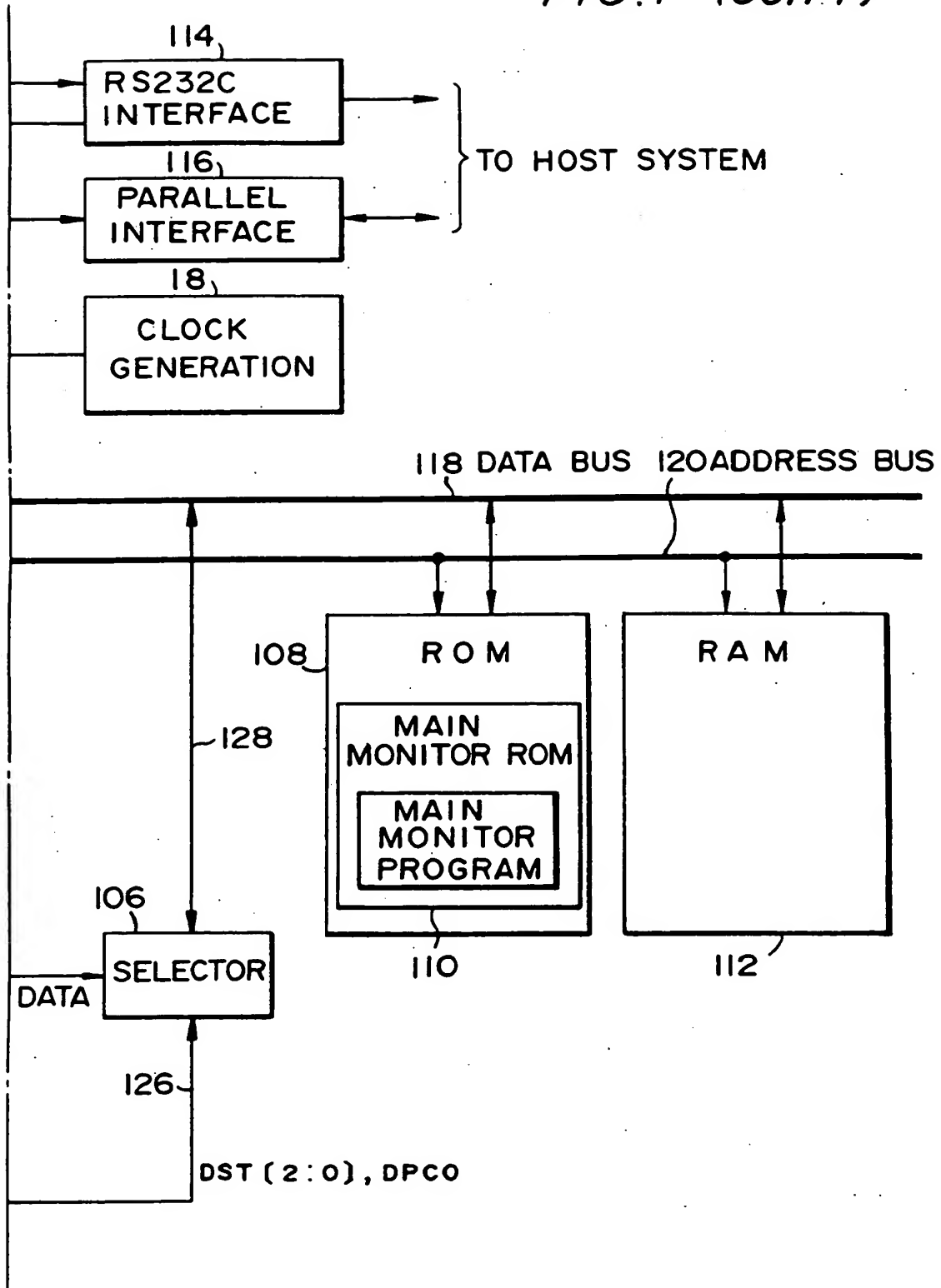


FIG. 8A

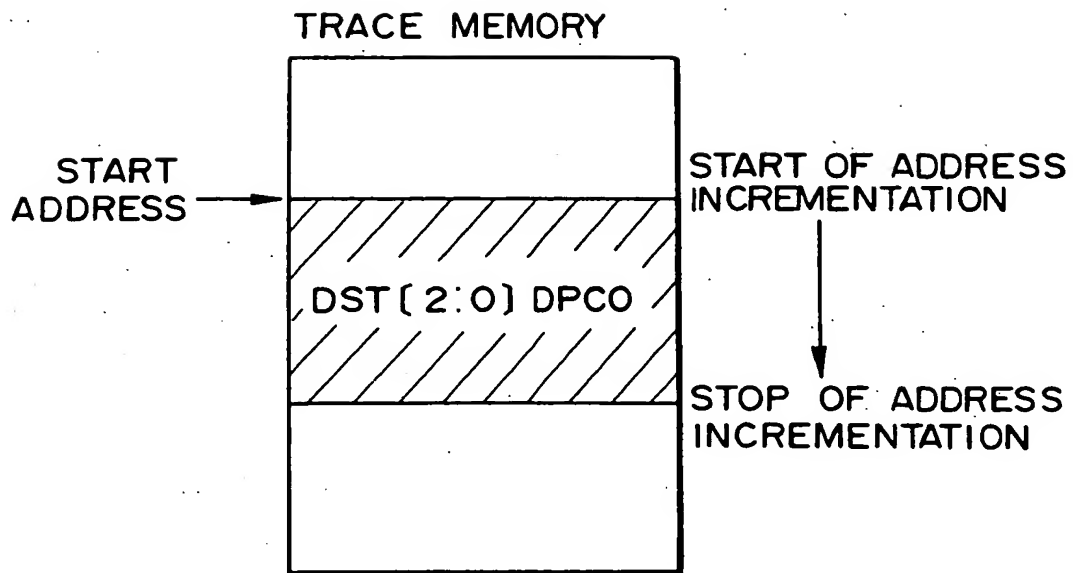


FIG. 8B

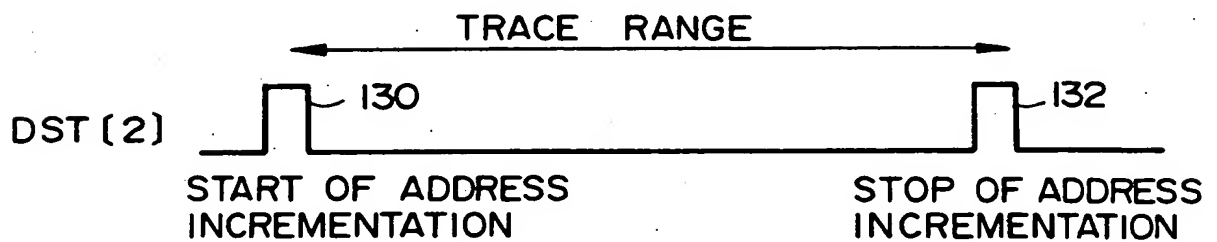


FIG. 9A

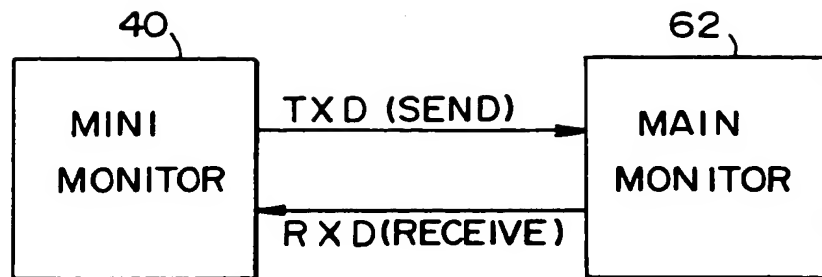


FIG. 9B

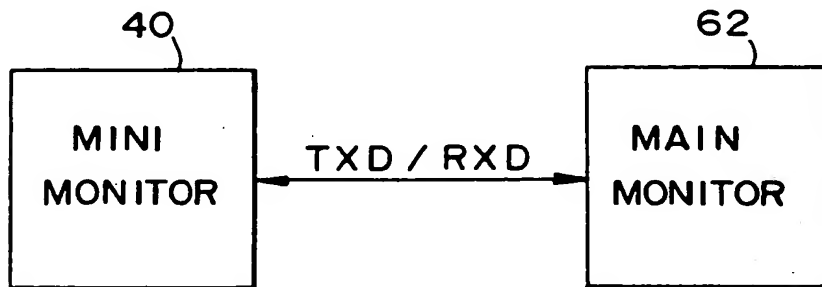


FIG. 9C

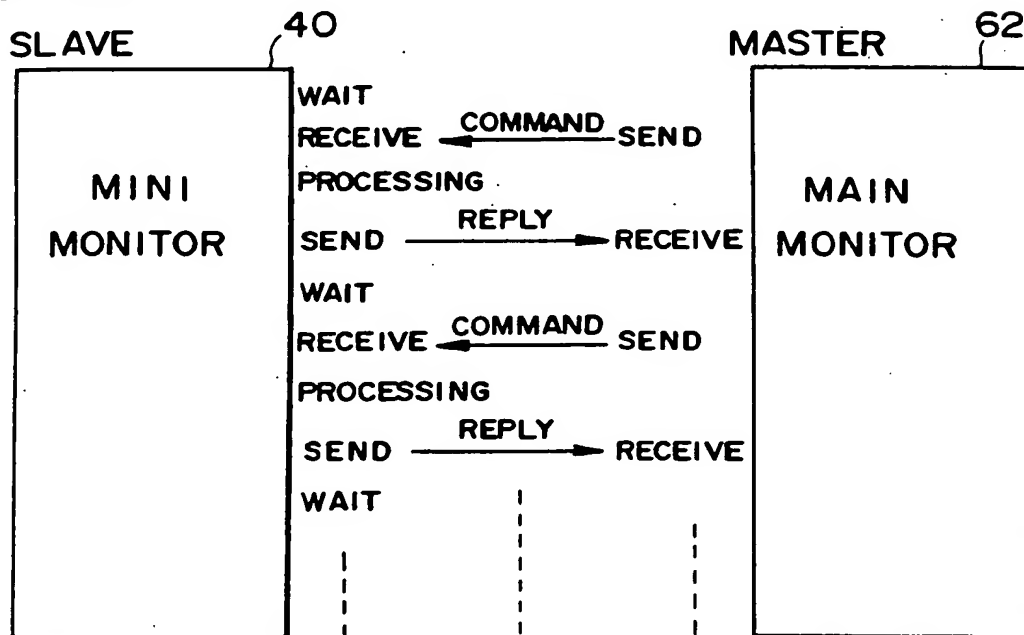


FIG. 10A DATA FORMAT

ID	1 BYTE	} FIXED LENGTH DATA OF 14 BYTES
DATA SIZE	1 BYTE	
ADDRESS	4 BYTES	
DATA 1	4 BYTES	
DATA 2	4 BYTES	

FIG. 10B GO COMMAND

RECEIVE DATA

00h
—
—
—
—

NO SEND DATA.
SHIFT TO EXECUTION**FIG. 10C** WRITE COMMAND

RECEIVE DATA

01h
—
WRITE ADDRESS
WRITE DATA 1
WRITE DATA 2

SEND DATA

—
—
—
01h
—

FIG. 10D READ COMMAND

RECEIVE DATA

02h
—
READ ADDRESS
—
—

SEND DATA

—
—
—
READ DATA 1
READ DATA 2

FIG. 11A

EXTERNAL ROUTINE JUMP COMMAND

RECEIVE DATA

03h
18h
%R12
%R13
%R14

(DATA FOR CHECK-
ING MALFUNCTION)

(ROUTINE ADDRESS)

(WRITE DATA)

(DATA ADDRESS)

SEND DATA

—
—
—
%R10
—

(RETURN VALUE.
WHEN IT IS ZERO,
PROGRAM NORMALLY
TERMINATES)*FIG. 11B*

DATA FILL COMMAND

RECEIVE DATA

04h
1,2,4
START ADDRESS
FILL NUMBER
FILL PATTERN

SEND DATA

—
—
—
04h
—

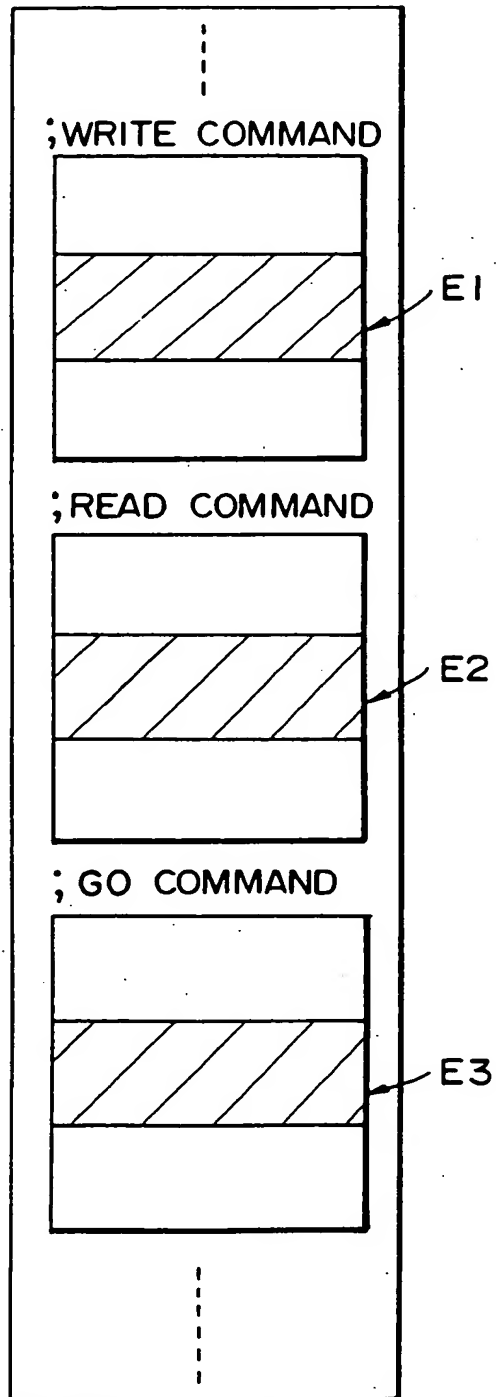
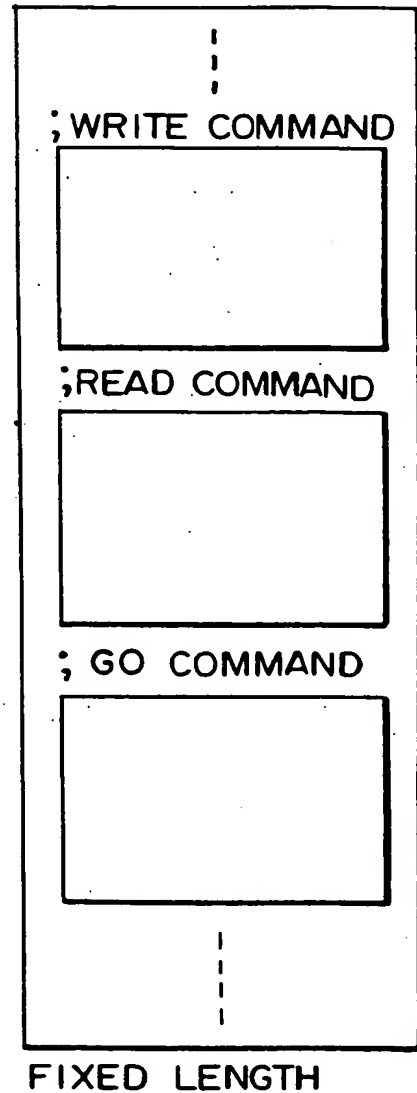
*FIG. 12A*SOURCE CODE OF MINI
MONITOR PROGRAM*FIG. 12B*SOURCE CODE OF MINI
MONITOR PROGRAM

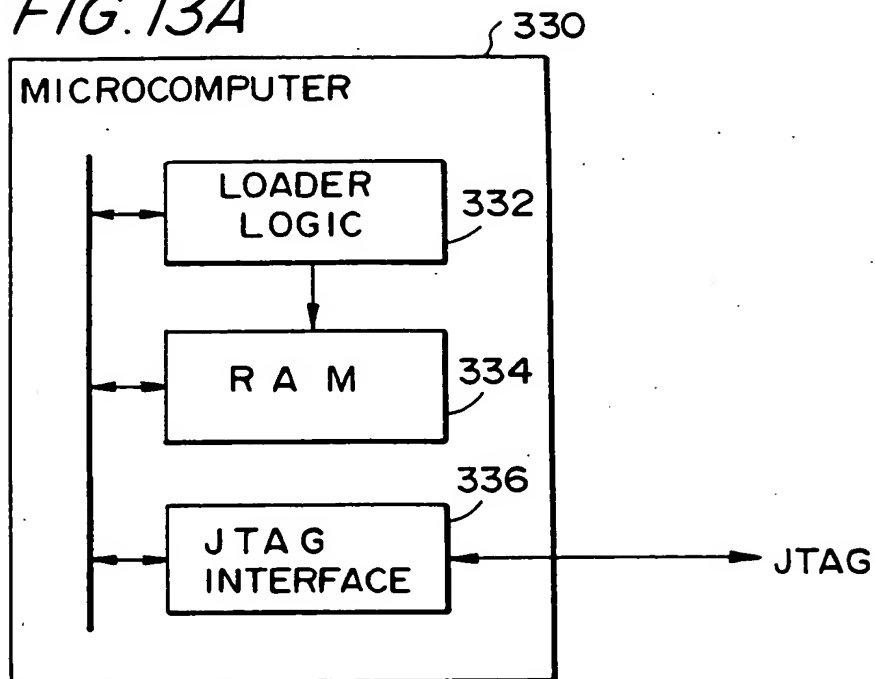
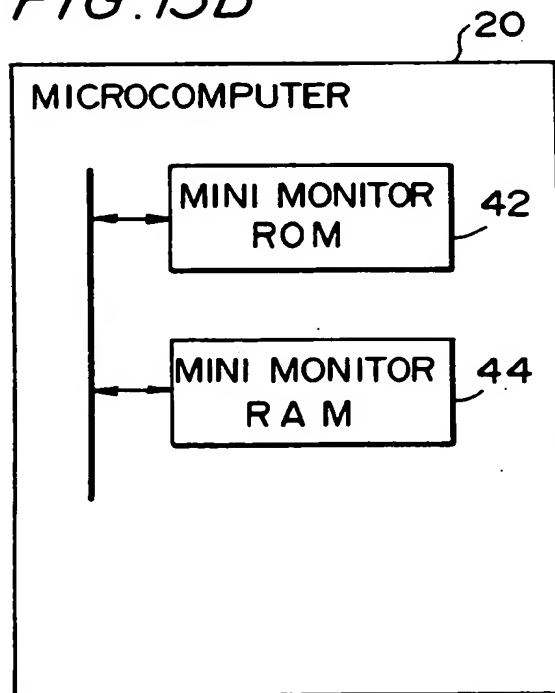
FIG. 13A*FIG. 13B*

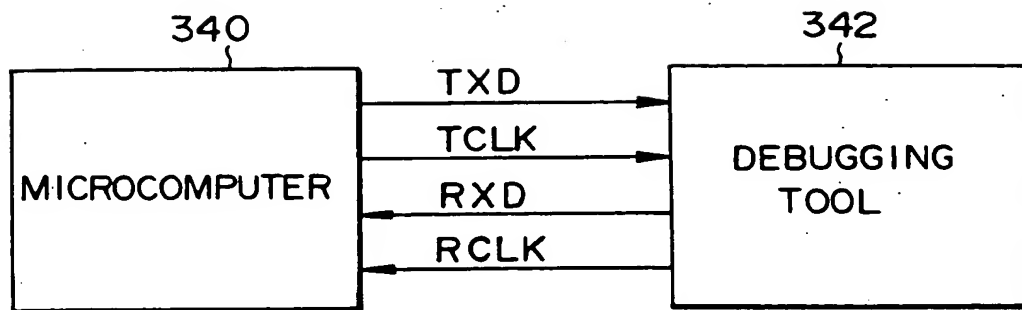
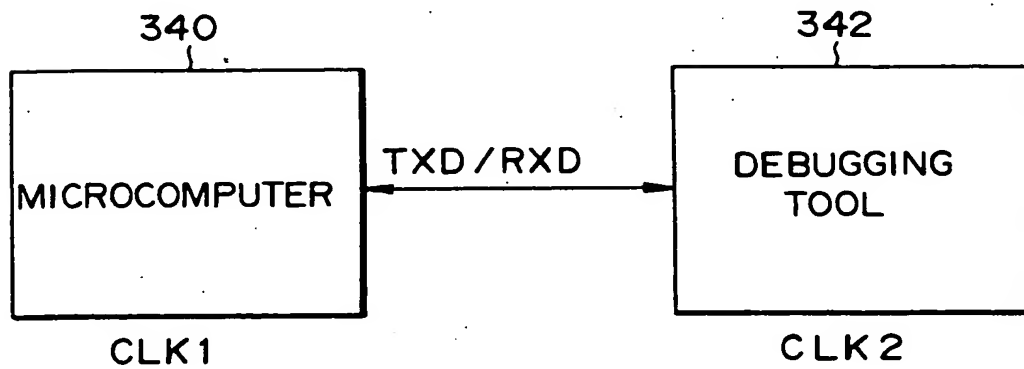
FIG. 14A*FIG. 14B*

FIG. 15A

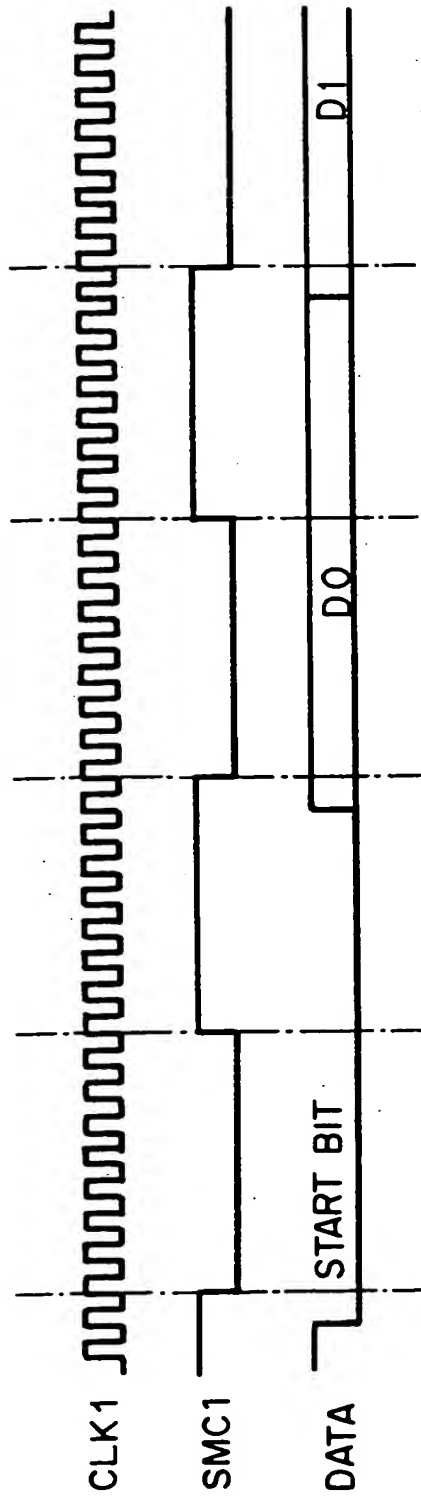


FIG. 15B

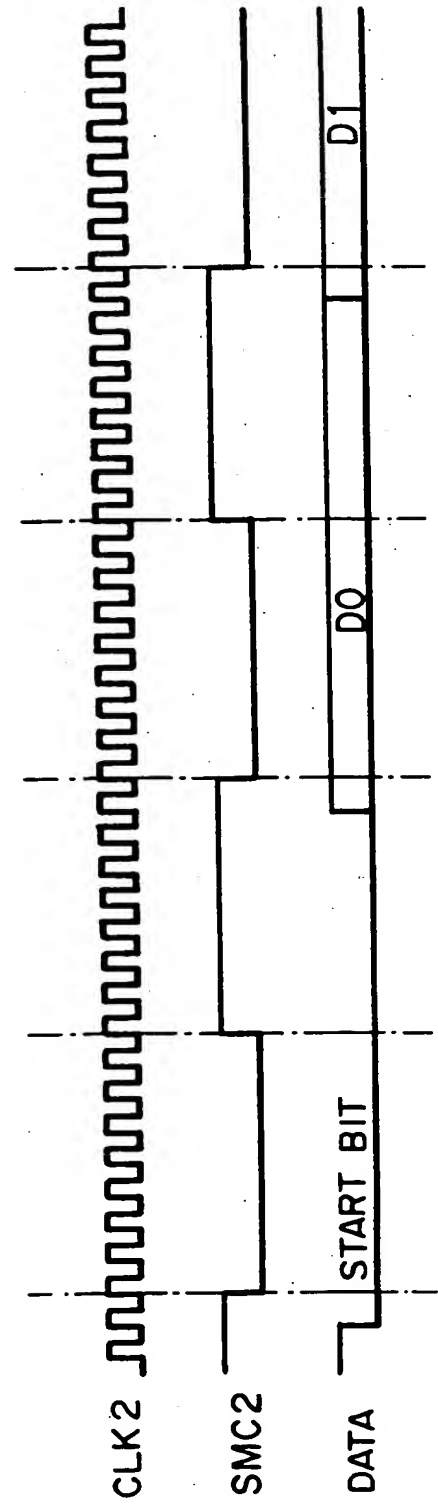


FIG. 16

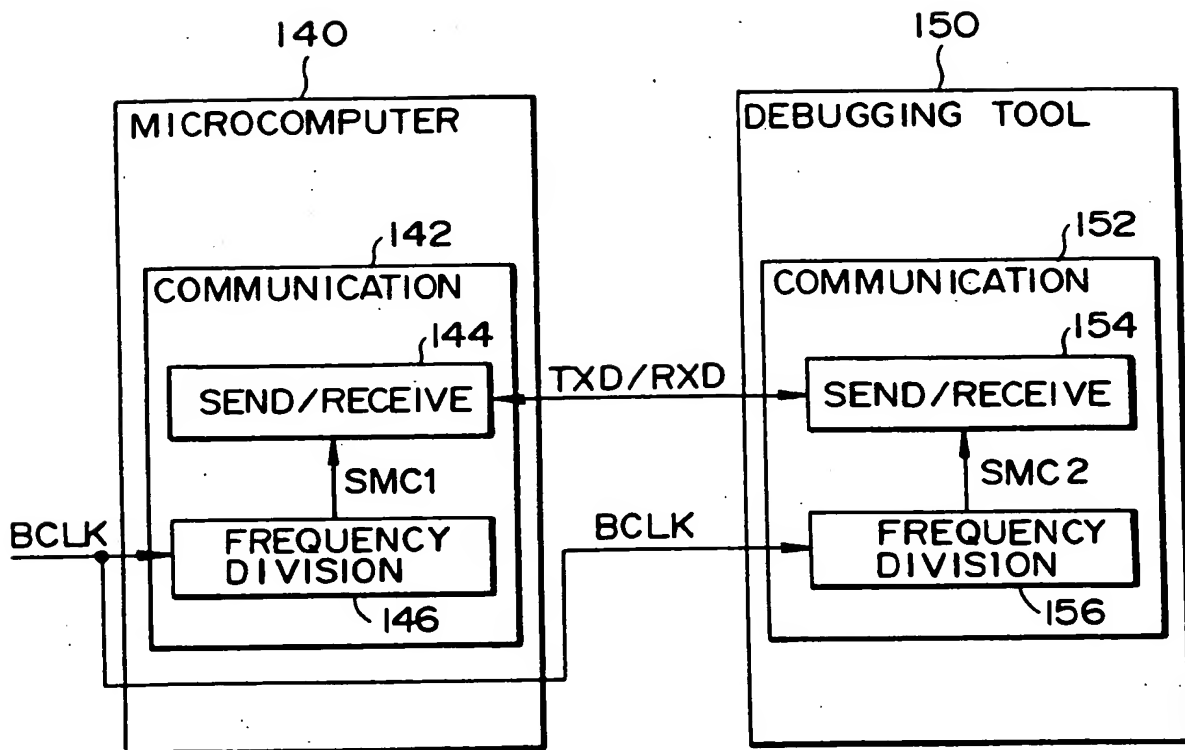


FIG. 17A

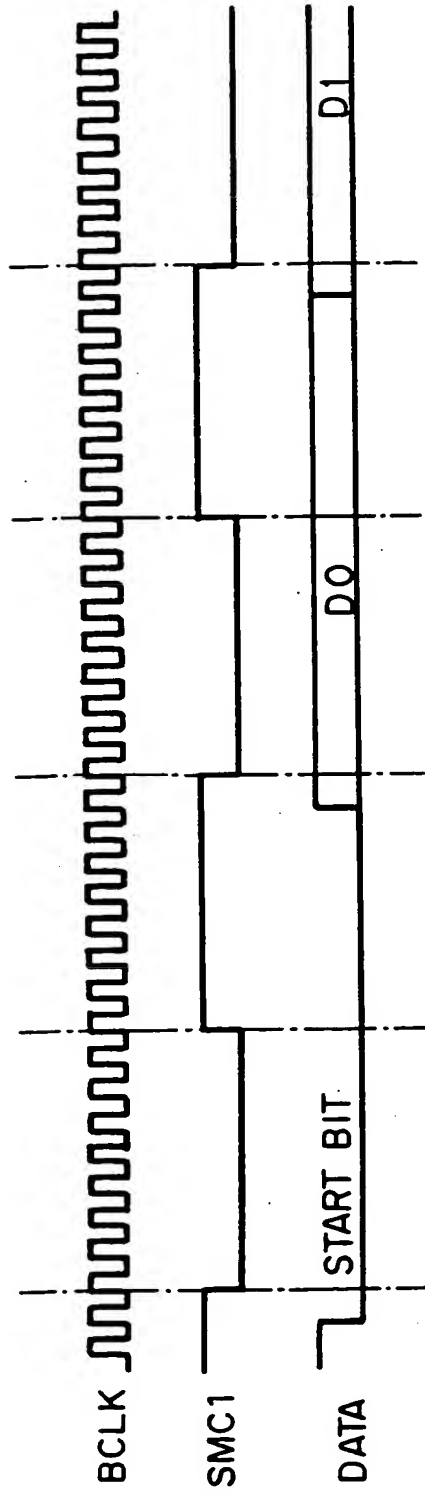


FIG. 17B

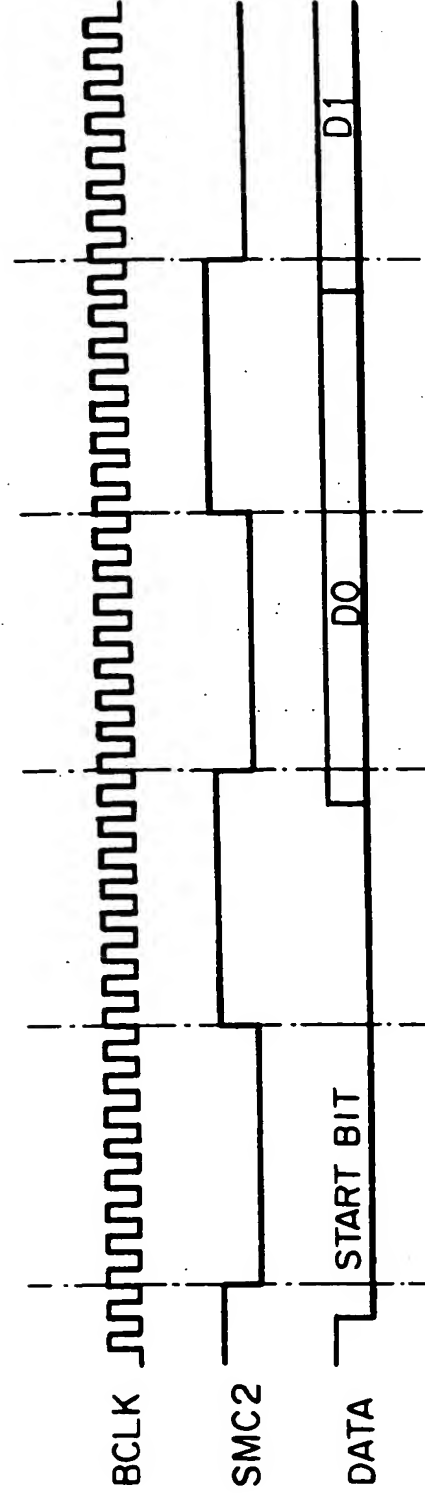


FIG. 18

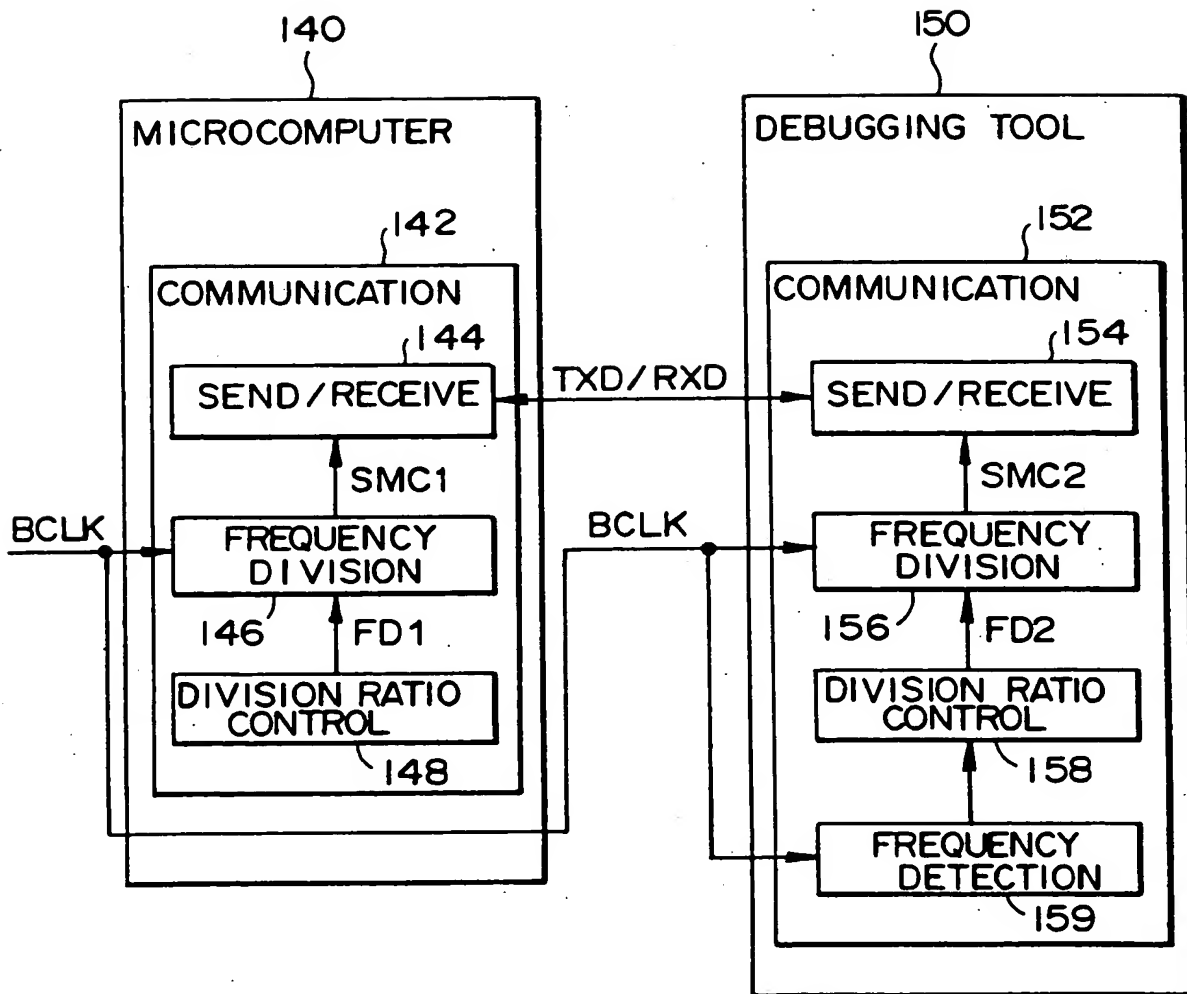


FIG. 19A

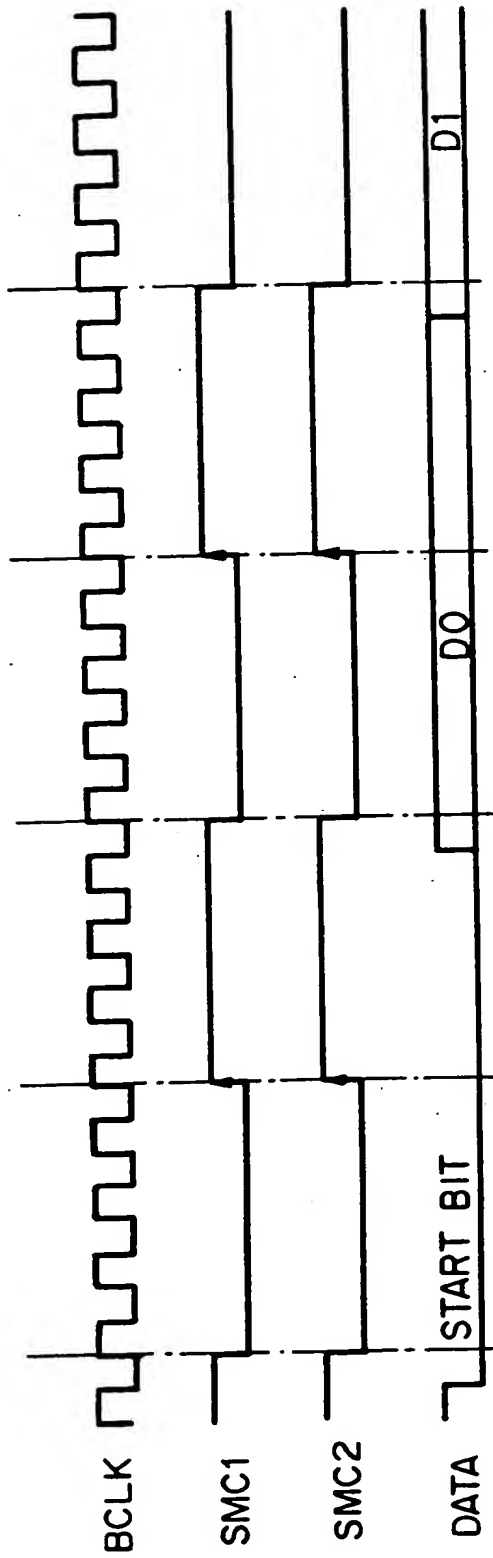


FIG. 19B

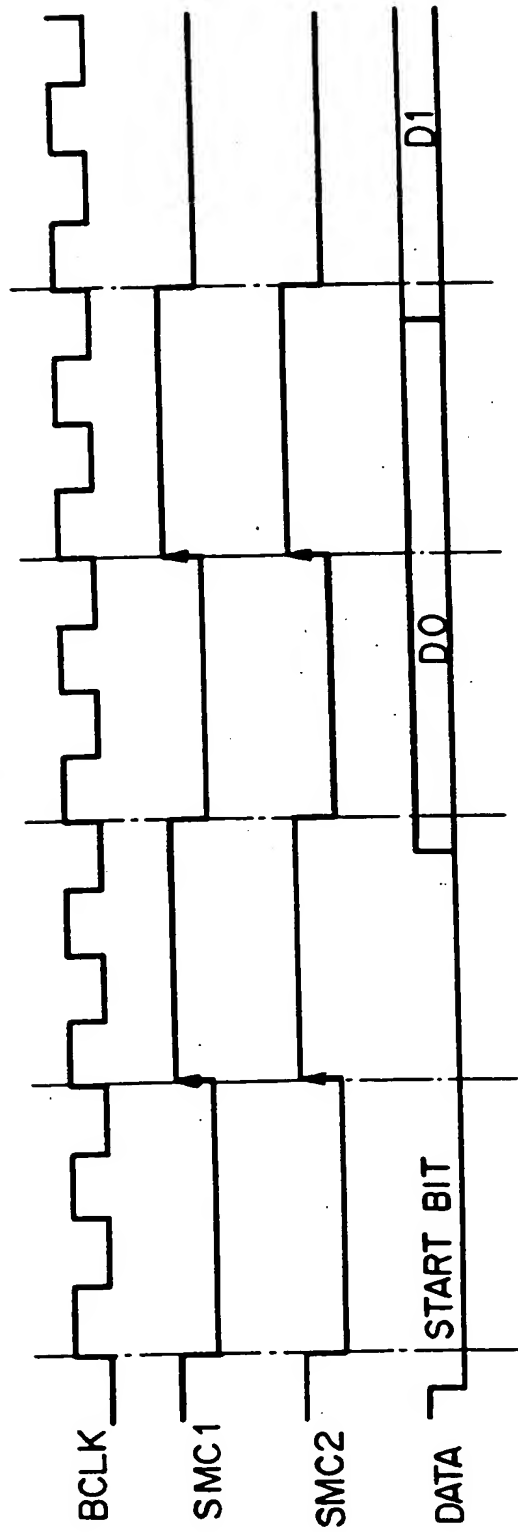


FIG. 20

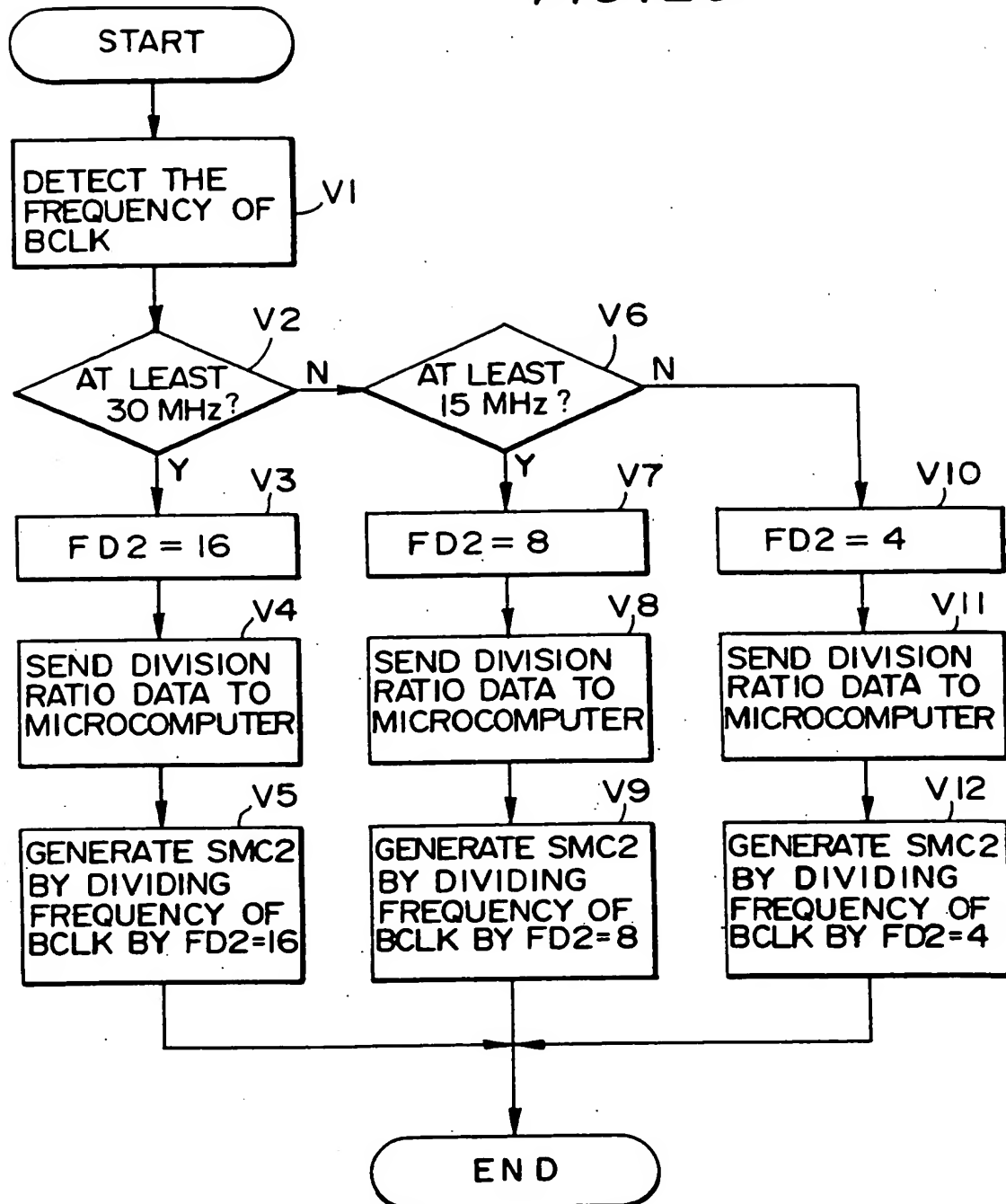


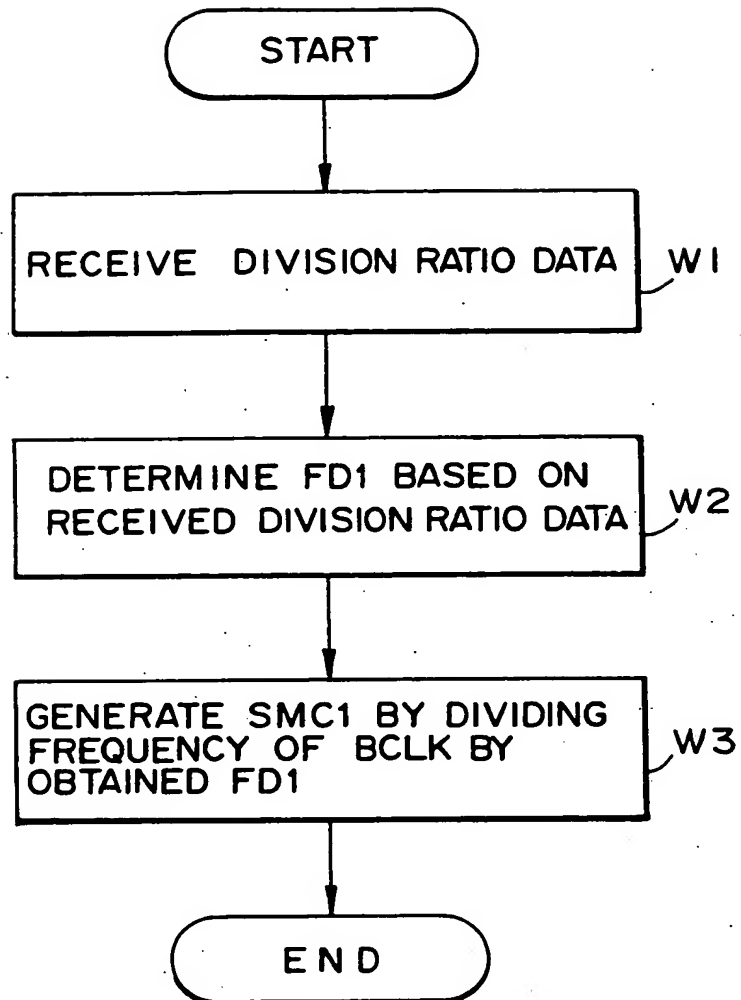
FIG. 21

FIG. 22

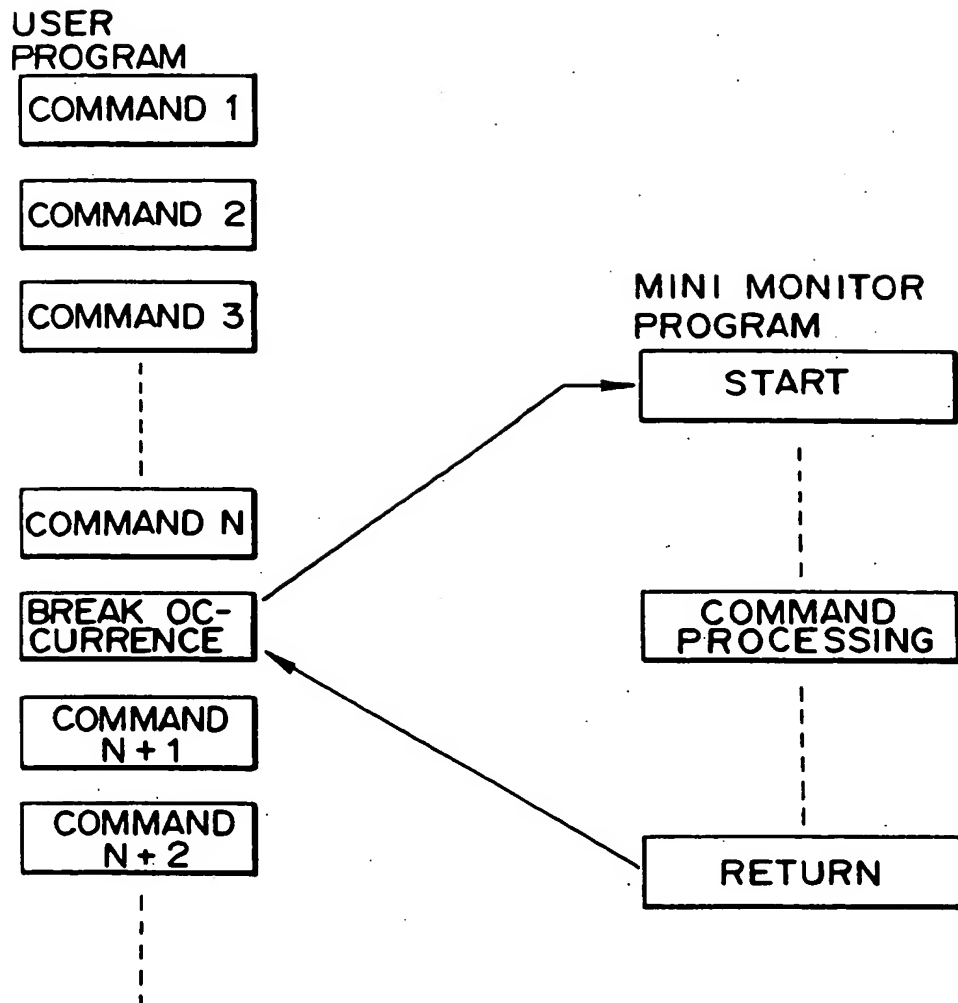


FIG. 23

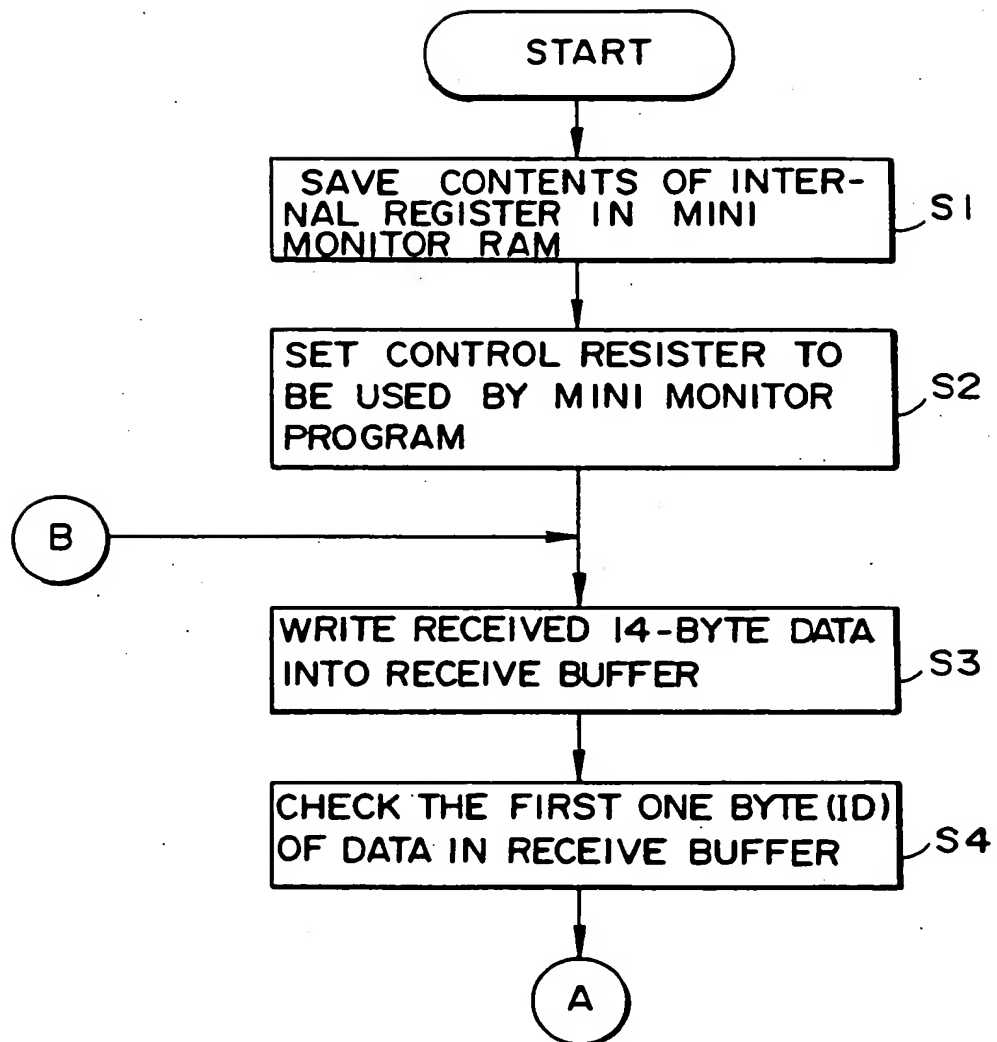


FIG. 24

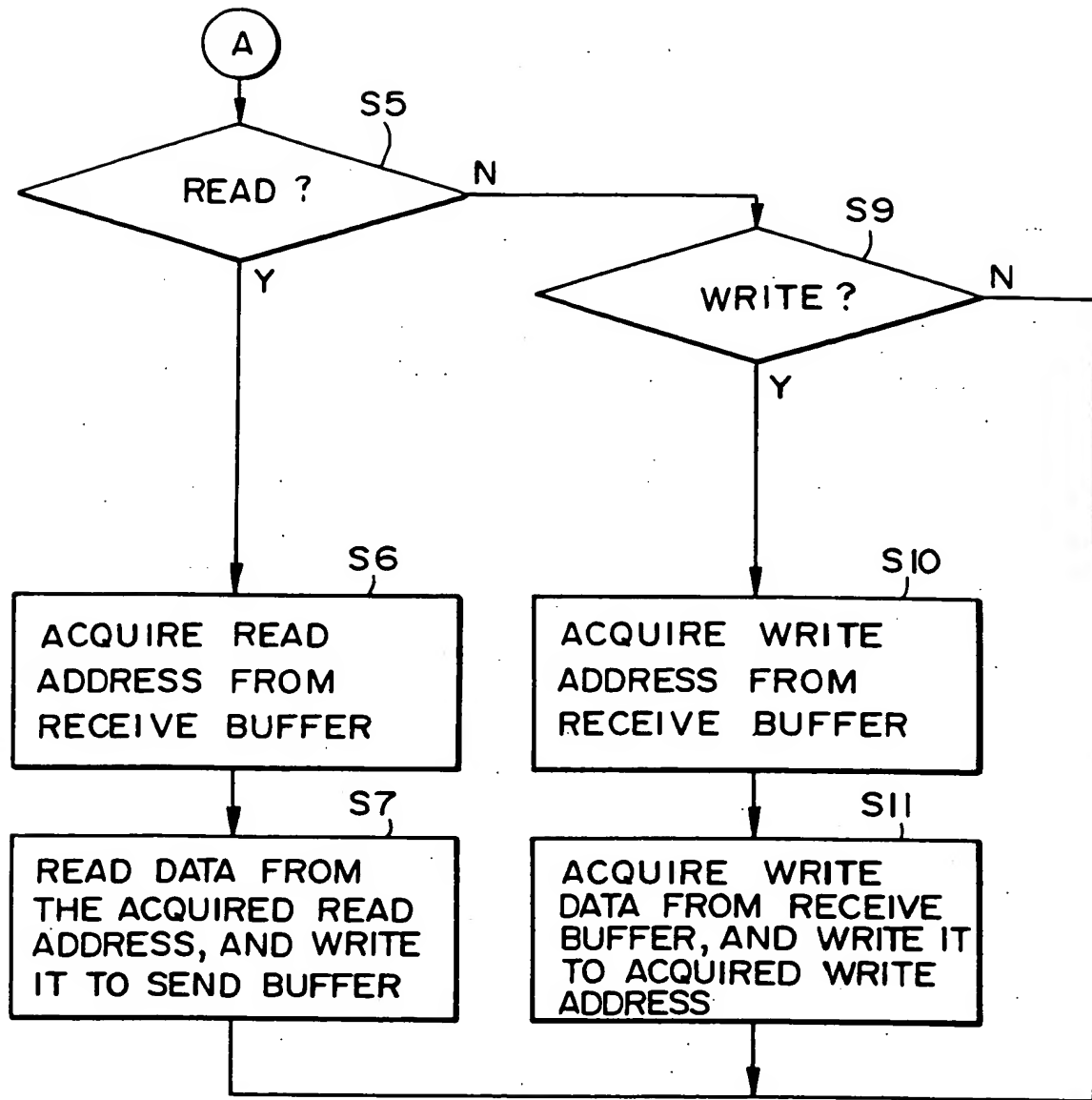


FIG. 24 (con't)

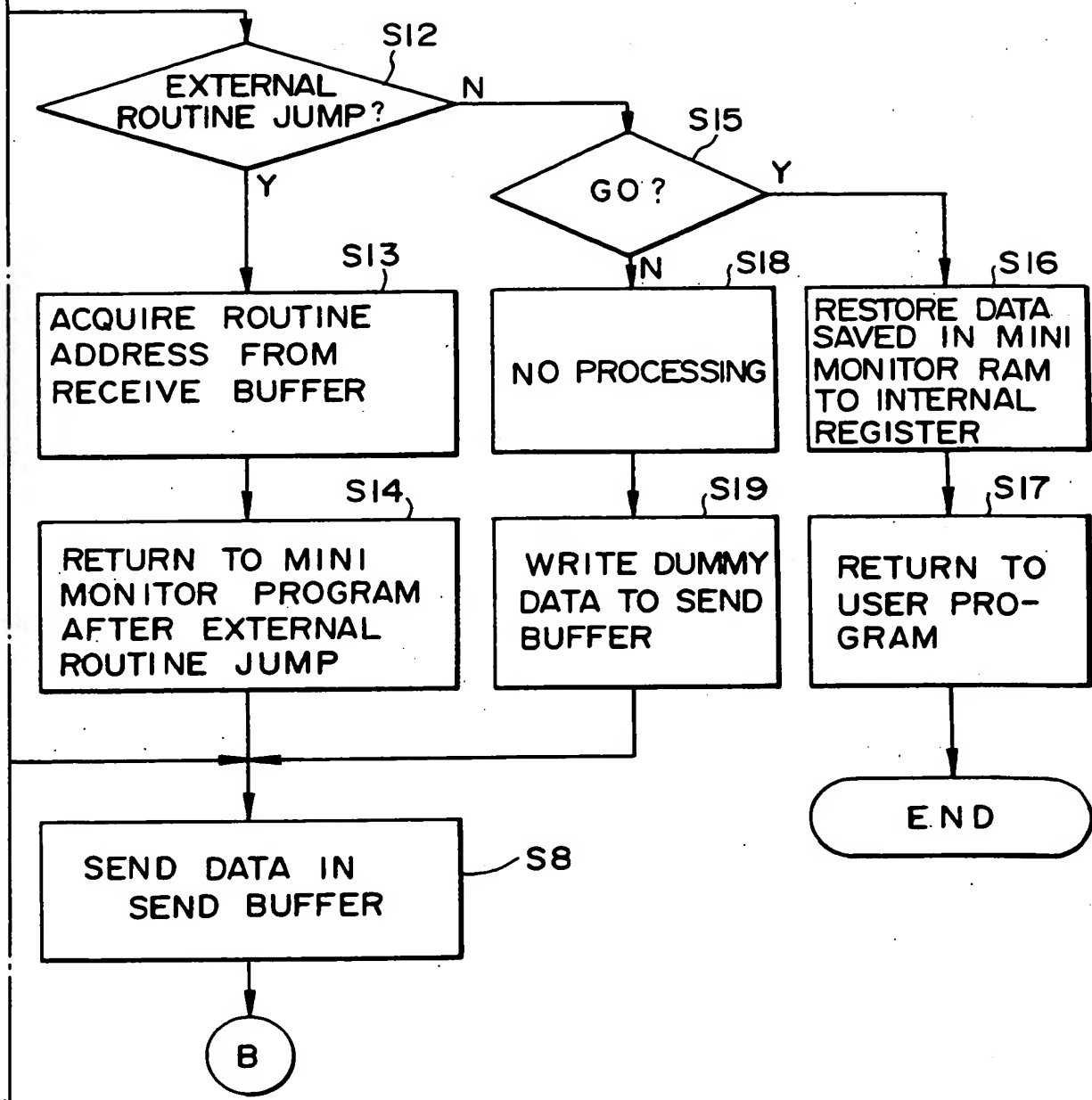


FIG. 25A

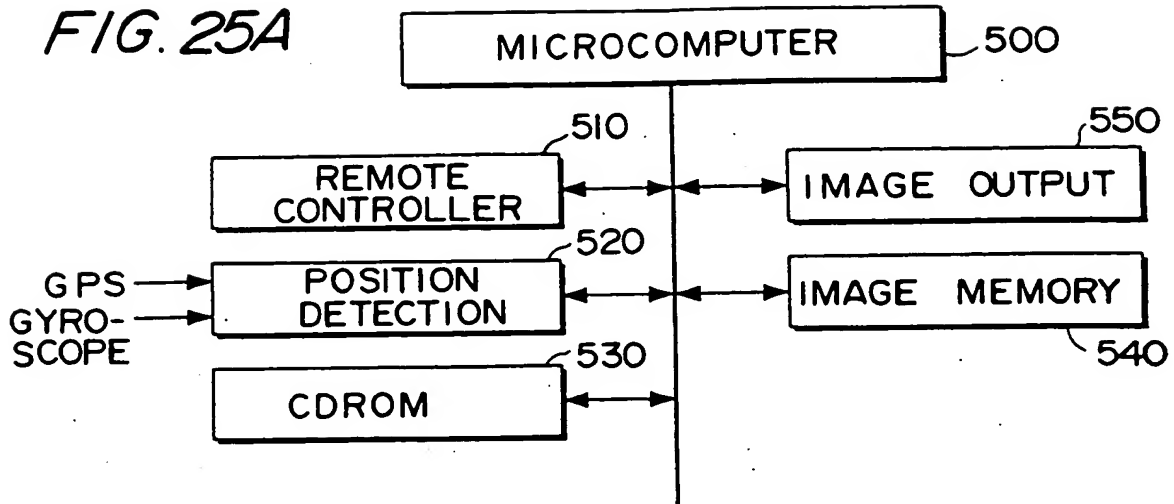


FIG. 25B

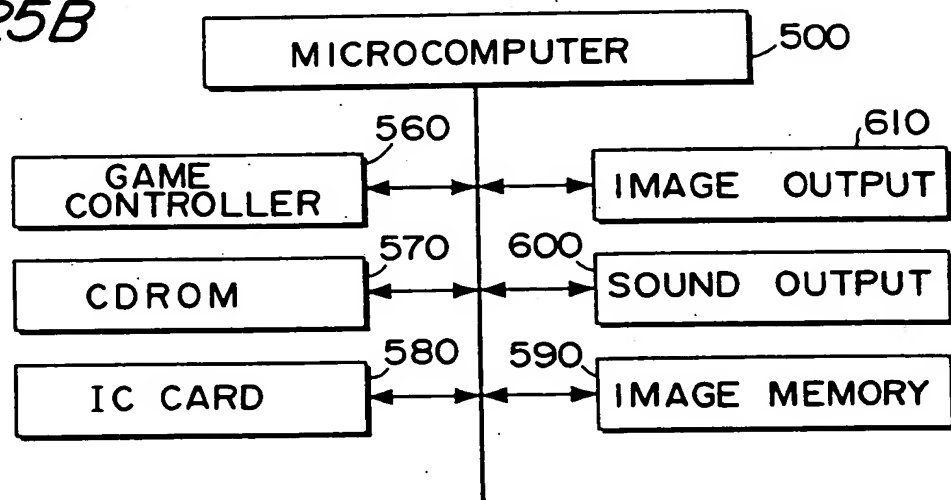


FIG. 25C

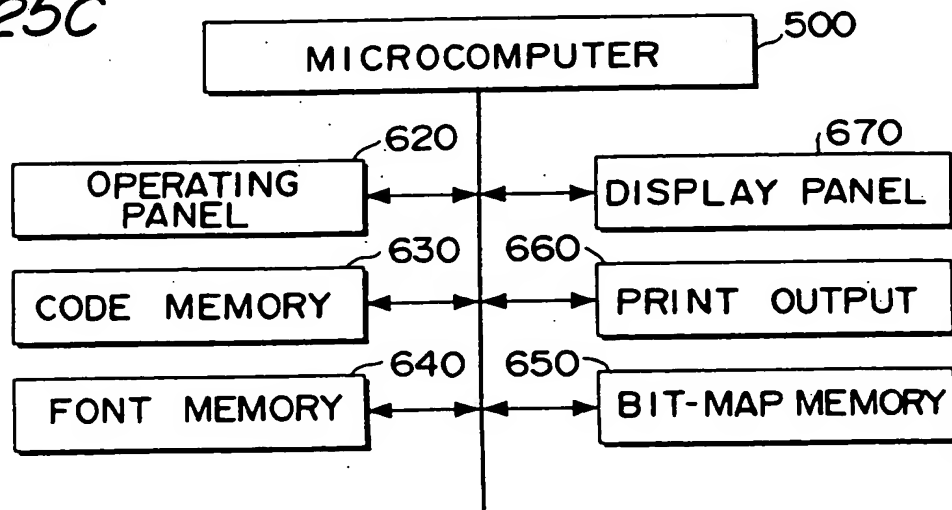


FIG. 26A

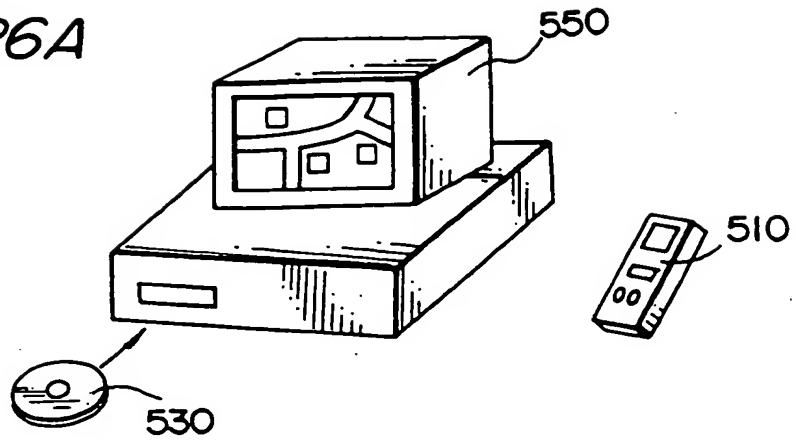


FIG. 26B

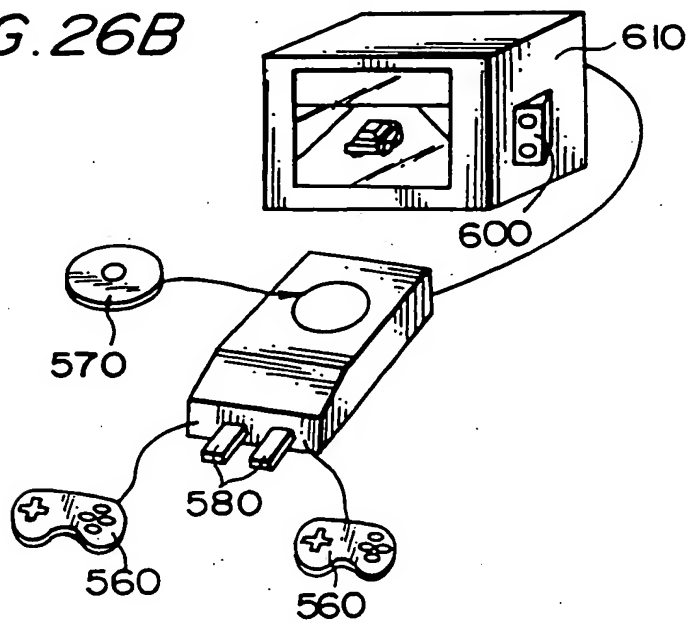


FIG. 26C

